



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

October 31, 1983

Mr. Kent Dahlquist  
Mining Engineer  
Union Carbide Corporation  
Metals Division  
La Sal, Utah 84530

RE: Hecla Shaft Mining and  
Reclamation Plan Revision  
Union Carbide Corporation  
ACT/037/043  
San Juan County, Utah

Dear Mr. Dahlquist:

The Division has completed its review of the updated information on the Hecla Shaft received August 18, 1983. Thank you for the reclamation cost break down and the new map with cross-sections of the pond. Also, your prompt action in completing the pond outslope, reseeding and berm construction is appreciated. Several issues of concern have surfaced, however, based upon the new material submitted.

As you have indicated in your letter, no agreement, has been reached or at least no final plans have been decided upon with the State Health Department for the evaporation ponds. The Division finds the approach of not submitting final design details rational at this time although not exactly in conformance with the Utah Mined Land Reclamation Act. Title 40-8-18 of the Act clearly states that the modification to the ponds must be submitted to the Division for approval. In order that final construction be finished prior to the beginning of winter, these revisions must be decided upon and submitted immediately.

The total affected acreage as you have it listed is only 28.3 acres. Does this mean that you wish to amend the original mining and reclamation plan by reducing the currently approved 35.5 acres to 28.3? It appears that this is the case, but please state this more clearly if it is indeed true.



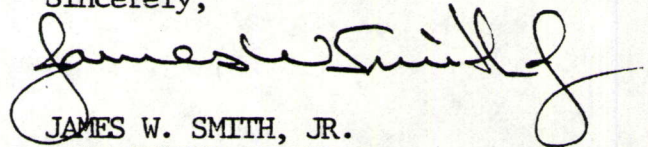
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The final bonding concerns are as follows:

The cost breakdown of the Hecla shaft appears to contain realistic figures. However, more detail should be given as to how these costs were derived. In other words, please provide detail for arriving at the \$50,000 figure for removal of the office, shop, compressor building, etc. Was the cost derived from using the Rental Rate Blue Book? Please provide the detail explanation for all of the cost derivations.

Your continued cooperation is appreciated if you have any questions please give me a call.

Sincerely,



JAMES W. SMITH, JR.  
COORDINATOR OF MINED  
LAND DEVELOPMENT

JWS/TNT/jvb

cc: Steve McNeal, State Health  
Tom Tetting, DOGM  
Pam Grubaugh-Littig, DOGM  
Wayne Hedberg, DOGM